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RAW SEQUENCE LISTING

DATE: 02/07/2002

PATENT APPLICATION: US/09/831,951A

TIME: 07:27:21

Input Set : A:\Osana1 Seq Lst 1-4-02.txt

Output Set: N:\CRF3\02072002\I831951A.raw

Does Not Comply
Corrector: D. Bette Needer

1 <110> APPLICANT: SUNTORY LIMITED

W--> 2 <120> TITLE OF INVENTION: Inhibitor and Activator of Coupling Factor-6 and Antigen thereto

W--> 3 <130> FILE REFERENCE: YCT-515

W--> 4 <140> CURRENT APPLICATION NUMBER: PCT/JP00/5210A

C--> 5 <141> CURRENT FILING DATE: 2001-05-16

6 <150> PRIOR APPLICATION NUMBER: JPA 264687/99

7 <151> PRIOR FILING DATE: 1999-09-17

W--> 8 <160> NUMBER OF SEQ ID: 24

10 <210> SEQ ID NO: 1

11 <211> LENGTH: 76

12 <212> TYPE: PRT

13 <213> ORGANISM: Human

W--> 14 <400> SEQUENCE: 1

15 Asn Lys Glu Leu Asp Pro Ile Gln Lys Leu

16 1 5 10

17 Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser

18 15 20

19 Lys Arg Gln Thr Ser Gly Gly Pro Val Asp

20 25 30

21 Ala Ser Ser Glu Tyr Gln Gln Glu Leu Glu

22 35 40

23 Arg Glu Leu Phe Lys Leu Lys Gln Met Phe

24 45 50

25 Gly Asn Ala Asp Met Asn Thr Phe Pro Thr

26 55 60

27 Phe Lys Phe Glu Asp Pro Lys Phe Glu Val

28 65 70

29 Leu Glu Lys Pro Gln Ala

30 75

32 <210> SEQ ID NO: 2

33 <211> LENGTH: 76

34 <212> TYPE: PRT

35 <213> ORGANISM: Rat

W--> 36 <400> SEQUENCE: 2

37 Asn Lys Glu Leu Asp Pro Val Gln Lys Leu

38 1 5 10

39 Phe Leu Asp Lys Ile Arg Glu Tyr Lys Ala

40 15 20

41 Lys Arg Leu Ala Ser Gly Gly Pro Val Asp

42 25 30

43 Thr Gly Pro Glu Tyr Gln Gln Glu Val Asp

44 35 40

45 Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr

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```

46          45          50
47 Gly Lys Gly Glu Met Asp Lys Phe Pro Thr
48          55          60
49 Phe Asn Phe Glu Asp Pro Lys Phe Glu Val
50          65          70
51 Leu Asp Lys Pro Gln Ser
52          75

```

55 <210> SEQ ID NO: 3

56 <211> LENGTH: 5

57 <212> TYPE: PRT

58 <213> ORGANISM: Unknown

W--> 59 <220> FEATURE:

W--> 60 <221> NAME/KEY:

61 <222> LOCATION:

62 <223> OTHER INFORMATION: Enterokinase recognition site

W--> 63 <400> SEQUENCE: 3

64 Asp Asp Asp Asp Lys

66 <210> SEQ ID NO: 4

67 <211> LENGTH: 139

68 <212> TYPE: PRT

69 <213> ORGANISM: E. coli

W--> 70 <400> SEQUENCE: 4

71 Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp

72 1 5 10 15

73 Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His

74 20 25 30

75 Pro Pro Phe Ala Ser Trp Arg Asn Ser Glu Glu Ala Arg Thr Asp

76 35 40 45

77 Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe

78 50 55 60

79 Ala Trp Phe Pro Ala Pro Glu Ala Val Pro Glu Ser Leu Leu Glu

80 65 70 75

81 Ser Asp Leu Pro Glu Ala Asp Thr Val Val Val Pro Ser Asn Trp

82 80 85 90

83 Gln Met His Gly Tyr Asp Ala Pro Ile Tyr Thr Asn Val Thr Tyr

84 95 100 105

85 Pro Ile Thr Val Asn Pro Pro Phe Val Pro Thr Glu Asn Pro Thr

86 110 115 120

87 Gly Ser Tyr Ser Leu Thr Phe Asn Val Asp Glu Ser Trp Leu Gln

88 125 130 135

89 Glu Gly Gln Thr

92 <210> SEQ ID NO: 5

93 <211> LENGTH: 97

94 <212> TYPE: PRT

95 <213> ORGANISM: E. coli

W--> 96 <400> SEQUENCE: 5

97 Thr Met Ile Thr Asp Ser Leu Ala Val Val Leu Gln Arg Arg Asp

98 1 5 10 15

99 Trp Glu Asn Pro Gly Val Thr Gln Leu Asn Arg Leu Ala Ala His

number the amino acids under every 5 amino acids

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```

100          20          25          30
101 Pro Pro Phe Ala Ser Trp Arg Asn Ser Asp Asp Ala Arg Thr Asp
102          35          40          45
103 Arg Pro Ser Gln Gln Leu Arg Ser Leu Asn Gly Glu Trp Arg Phe
104          50          55          60
105 Ala Trp Phe Pro Ala Pro Glu Ala Val Pro Asp Ser Leu Leu Asp
106          65          70          75
107 Ser Asp Leu Pro Glu Ala Asp Thr Val Val Val Pro Ser Asn Trp
108          80          85          90
109 Gln Met His Gly Tyr Asp Ala
110          95
113 <210> SEQ ID NO: 6
114 <211> LENGTH: 23
115 <212> TYPE: DNA
116 <213> ORGANISM: Artificial Sequence
W--> 117 <220> FEATURE:
W--> 118 <221> NAME/KEY:
119 <222> LOCATION:
120 <223> OTHER INFORMATION: Primer used in PCR method
W--> 121 <400> SEQUENCE: 6
122   atgactgttc agaggatctt cag                23
124 <210> SEQ ID NO: 7
125 <211> LENGTH: 27
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial Sequence
W--> 128 <220> FEATURE:
W--> 129 <221> NAME/KEY:
130 <222> LOCATION:
131 <223> OTHER INFORMATION: Primer used in PCR method
W--> 132 <400> SEQUENCE: 7
133   qtcgactcag gactgggggtt tgtcgag            27
135 <210> SEQ ID NO: 8
136 <211> LENGTH: 23
137 <212> TYPE: DNA
138 <213> ORGANISM: Artificial Sequence
W--> 139 <220> FEATURE:
W--> 140 <221> NAME/KEY:
141 <222> LOCATION:
142 <223> OTHER INFORMATION: Primer used in PCR method
W--> 143 <400> SEQUENCE: 8
144   atgattcttc agaggctctt cag                23
146 <210> SEQ ID NO: 9
147 <211> LENGTH: 28
148 <212> TYPE: DNA
149 <213> ORGANISM: Artificial Sequence
W--> 150 <220> FEATURE:
W--> 151 <221> NAME/KEY:
152 <222> LOCATION:
153 <223> OTHER INFORMATION: Primer used in PCR method

```

RAW SEQUENCE LISTING

DATE: 02/07/2002

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Input Set : A:\Osana1 Seq Lst 1-4-02.txt

Output Set: N:\CRF3\02072002\I831951A.raw

```

W--> 154 <400> SEQUENCE: 9
      155   gtcgactcag gcctgggggtt ttctgatg           28
      157 <210> SEQ ID NO: 10
      158 <211> LENGTH: 45
      159 <212> TYPE: DNA
      160 <213> ORGANISM: Artificial Sequence
W--> 161 <220> FEATURE:
W--> 162 <221> NAME/KEY:
      163 <222> LOCATION:
      164 <223> OTHER INFORMATION: Gene coding for enterokinase recognition site and Eco RI
recognition
      165   site
W--> 166 <400> SEQUENCE: 10
      167   gaattcgacg atgacgataa gaataaggaa cttgatcctg tacag           45
      169 <210> SEQ ID NO: 11
      170 <211> LENGTH: 46
      171 <212> TYPE: DNA
      172 <213> ORGANISM: Artificial Sequence
W--> 173 <220> FEATURE:
W--> 174 <221> NAME/KEY:
      175 <222> LOCATION:
      176 <223> OTHER INFORMATION: Gene coding for enterokinase recognition site and Eco RI
recognition
      177   site
W--> 178 <400> SEQUENCE: 11
      179   gaattcgacg atgacgataa gaataaggaa cttgatccta tacaga           46
      181 <210> SEQ ID NO: 12
      182 <211> LENGTH: 20
      183 <212> TYPE: PRT
      184 <213> ORGANISM: rat
W--> 185 <400> SEQUENCE: 12
      186 Cys Phe Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu
      187   1           5           10           15
      188 Asp Lys Pro Gln Ser
      189           20
      190 <210> SEQ ID NO: 13
      191 <211> LENGTH: 20
      192 <212> TYPE: PRT
      193 <213> ORGANISM: rat
W--> 194 <400> SEQUENCE: 13
      195 Tyr Phe Pro Thr Phe Asn Phe Glu Asp Pro Lys Phe Glu Val Leu
      196   1           5           10           15
      197 Asp Lys Pro Gln Ser
      198           20
      201 <210> SEQ ID NO: 14
      202 <211> LENGTH: 19
      203 <212> TYPE: PRT
      204 <213> ORGANISM: human
W--> 205 <400> SEQUENCE: 14
      206 Cys Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln
      207   1           5           10           15

```

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DATE: 02/07/2002

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TIME: 07:27:21

Input Set : A:\Osanai Seq Lst 1-4-02.txt

Output Set: N:\CRF3\02072002\I831951A.raw

```

208 Thr Ser Gly Gly
211 <210> SEQ ID NO: 15
212 <211> LENGTH: 18
213 <212> TYPE: PRT
214 <213> ORGANISM: human
W--> 215 <400> SEQUENCE: 15
216 Leu Phe Val Asp Lys Ile Arg Glu Tyr Lys Ser Lys Arg Gln Thr
217   1           5           10           15
218 Ser Gly Gly
221 <210> SEQ ID NO: 16
222 <211> LENGTH: 39
223 <212> TYPE: PRT
224 <213> ORGANISM: rat
W--> 225 <400> SEQUENCE: 16
226 Asn Lys Glu Leu Asp Pro Val Gln Lys Leu Phe Leu Asp Lys Ile
227   1           5           10           15
228 Arg Glu Tyr Lys Ala Lys Arg Leu Ala Ser Gly Gly Pro Val Asp
229           20           25           30
230 Thr Gly Pro Glu Tyr Gln Gln Glu Val
231           35
234 <210> SEQ ID NO: 17
235 <211> LENGTH: 16
236 <212> TYPE: PRT
237 <213> ORGANISM: rat
W--> 238 <400> SEQUENCE: 17
239 Asp Arg Glu Leu Phe Lys Leu Lys Gln Met Tyr Gly Lys Gly Glu
240   1           5           10           15
241 Met
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 9
246 <212> TYPE: PRT
247 <213> ORGANISM: rat
W--> 248 <400> SEQUENCE: 18
249 Asp Lys Phe Pro Thr Phe Asn Phe Glu
250   1           5
253 <210> SEQ ID NO: 19
254 <211> LENGTH: 7
255 <212> TYPE: PRT
256 <213> ORGANISM: rat
W--> 257 <400> SEQUENCE: 19
258 Asp Pro Lys Phe Glu Val Leu
259   1           5
262 <210> SEQ ID NO: 20
263 <211> LENGTH: 5
264 <212> TYPE: PRT
265 <213> ORGANISM: rat
W--> 266 <400> SEQUENCE: 20
267 Asp Lys Pro Gln Ser
268   1           5

```

VERIFICATION SUMMARY

DATE: 02/07/2002

PATENT APPLICATION: US/09/831,951A

TIME: 01:27:22

Input Set : A:\Osana1 Seq Lst 1-4-02.txt

Output Set: N:\CRF3\02072002\I831951A.raw

L:2 M:283 W: Missing Blank Line separator, <120> field identifier
L:3 M:283 W: Missing Blank Line separator, <130> field identifier
L:4 M:283 W: Missing Blank Line separator, <140> field identifier
L:4 M:270 C: Current Application Number differs, Replaced Current Application Number
L:5 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:8 M:283 W: Missing Blank Line separator, <160> field identifier
L:14 M:283 W: Missing Blank Line separator, <400> field identifier
L:36 M:283 W: Missing Blank Line separator, <400> field identifier
L:59 M:283 W: Missing Blank Line separator, <220> field identifier
L:60 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:63 M:283 W: Missing Blank Line separator, <400> field identifier
L:70 M:283 W: Missing Blank Line separator, <400> field identifier
L:96 M:283 W: Missing Blank Line separator, <400> field identifier
L:117 M:283 W: Missing Blank Line separator, <220> field identifier
L:118 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:121 M:283 W: Missing Blank Line separator, <400> field identifier
L:128 M:283 W: Missing Blank Line separator, <220> field identifier
L:129 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:132 M:283 W: Missing Blank Line separator, <400> field identifier
L:139 M:283 W: Missing Blank Line separator, <220> field identifier
L:140 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
L:143 M:283 W: Missing Blank Line separator, <400> field identifier
L:150 M:283 W: Missing Blank Line separator, <220> field identifier
L:151 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:9
L:154 M:283 W: Missing Blank Line separator, <400> field identifier
L:161 M:283 W: Missing Blank Line separator, <220> field identifier
L:162 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:10
L:166 M:283 W: Missing Blank Line separator, <400> field identifier
L:173 M:283 W: Missing Blank Line separator, <220> field identifier
L:174 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:11
L:178 M:283 W: Missing Blank Line separator, <400> field identifier
L:185 M:283 W: Missing Blank Line separator, <400> field identifier
L:194 M:283 W: Missing Blank Line separator, <400> field identifier
L:205 M:283 W: Missing Blank Line separator, <400> field identifier
L:215 M:283 W: Missing Blank Line separator, <400> field identifier
L:225 M:283 W: Missing Blank Line separator, <400> field identifier
L:238 M:283 W: Missing Blank Line separator, <400> field identifier
L:248 M:283 W: Missing Blank Line separator, <400> field identifier
L:257 M:283 W: Missing Blank Line separator, <400> field identifier
L:266 M:283 W: Missing Blank Line separator, <400> field identifier
L:275 M:283 W: Missing Blank Line separator, <220> field identifier
L:276 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:21
L:279 M:283 W: Missing Blank Line separator, <400> field identifier
L:287 M:283 W: Missing Blank Line separator, <220> field identifier
L:288 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:22
L:291 M:283 W: Missing Blank Line separator, <400> field identifier
L:299 M:283 W: Missing Blank Line separator, <220> field identifier
L:300 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,951A

DATE: 02/07/2002

TIME: 07:27:22

Input Set : A:\Osanai Seq Lst 1-4-02.txt

Output Set: N:\CRF3\02072002\I831951A.raw

L:303 M:283 W: Missing Blank Line separator, <400> field identifier
L:311 M:283 W: Missing Blank Line separator, <220> field identifier
L:312 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:24
L:315 M:283 W: Missing Blank Line separator, <400> field identifier